

Jones County Junior College
Career and Technical Education Division
Catalog Addendum
2008-2010

Addendum # 8
January 30, 2009

The following change has been made to the curriculum of the **COMPUTER INFORMATION SYSTEMS TECHNOLOGY**:

-On page 158 of the 2008-2010 Catalog the course CNT 2423 Systems Maintenance has been changed to CNT 2424 to reflect the appropriate State Course number. Please see corrections in red.

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COMPUTER INFORMATION SYSTEMS TECHNOLOGY

Purpose

The Computer Information Systems Technology (CIST) department offers technical programs, leading to associate degrees or certifications, designed to develop marketable skills and promote economic development.

Program Description

Students entering Computer Information Systems Technology may choose a Computer Networking Technology option or a Web and Programming Technology option. The CIST department at JCJC has numerous partnerships and affiliations with national vendors such as Cisco, Microsoft, Comptia, and Oracle.

The Web and Programming Technology option is a two-year program which offers training in the design, coding, and testing of websites, e-commerce development, server administration, graphics manipulation, Internet programming, and database interaction. The curriculum teaches students skills such as Visual Basic, Oracle, PHP, ASP.Net, Javascript, HTML, DHTML, and CSS. Also, students are prepared to earn their CIW and IC3 certifications.

The Computer Networking option is a two-year program which offers training in telecommunications, network administration and client/server systems. The curriculum offers students the education needed to earn IC3 certifications, Cisco's CCNA certification, Microsoft's MCP certification, and CompTIA's A+, Network+, Security+, and Linux+ certifications.

Program Length

- Four semesters

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Degree(s) Offered

- Associate in Applied Science

Admissions Requirements

- Must meet all general admission requirements.
- An applicant having previously earned college credit with less than a 2.5 grade point average must schedule an interview with the Computer Information Systems Technology staff and be referred to the Dean of Career and Technical Education or Dean of the College for approval.
- A minimum composite ACT score of 18 is required. Applicants with composite ACT scores of 16 or 17 may be referred to the Dean of Career and Technical Education for probationary admission. ACT scores must be recorded in the Jones County Junior College Admissions and Records Office prior to admission to the program.

Contact

The Counseling Center-Jones County Junior College at 601-477-4257 or Computer Information Systems Technology at 601- 477-4080 or 477-4096 or email at cist@jcc.edu

Web and Programming Technology Curriculum

Freshman Year

First Semester	Hours	Second Semester	
ENG 1113 English Comp. I	3	ENG 1123 English Comp. II.....	3
CPT 1144 Web & Prog. Concepts	4	CPT 1333 Operating Platforms.....	3
CPT 1214 Visual BASIC Program	4	WDT 1414 Web Design Applications.....	4
CNT 2424 System Maintenance.....	4	Programming Language Elective**	4
CNT 1414 Fund. of Data Comm	4	Programming Language Elective**	4
LLS 1312 Orientation	2		18
	21		

Sophomore Year

First Semester	Hours	Second Semester	
WDT 2823 Web Server	3	Programming Language Elective**	4
Programming Language Elective**	4	Social/Behavioral Science Elective***	3
CPT 2132 Career Development.....	2	SPT 1113 Speech	3
CPT 1353 Database Design Fund.....	3	WDT 2723 E-Commerce Strategies.....	3
MAT 1313 College Algebra*	3	CPT 2354 Website and Systems Dev.....	4
	15-19		17

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It should be noted that all sophomore year and many freshmen classes in CPT and WDT are only taught once per year and in the semester noted above.

Baseline Competencies for Web and Programming Technology

- Survey of Microcomputer Applications (CPT 1323)

Baseline competencies are taken from the secondary computer programming technology program. Students who can document mastery of these competencies should not receive duplicate instruction. Students who cannot demonstrate mastery will be required to take this course.

*Intermediate Algebra (MAT 1233) and a lab science may be substituted for College Algebra (MAT 1313).

****Programming Language Electives**

- CPT 1224 RPG Programming Language
- CPT 1414 Java Programming Language
- CPT 2244 Database Programming
- CPT 2284 C Programming Language
- CPT 2424 Advanced C Programming Language
- CPT 2434 Advanced Visual BASIC Programming Language
- CPT 2444 Script Programming
- WDT 1314 Client-side Programming
- WDT 2324 XML Programming
- WDT 2214 Server-side Programming I
- WDT 2224 Server-side Programming II

***** Social/Behavioral Science Electives**

- HIS 1113 – Western Civilization I
- HIS 1123 – Western Civilization II
- HIS 2213 – American History I
- HIS 2223 – American History II
- PSY 1513 – General Psychology
- PSC 1113 – American National Government

Computer Networking Curriculum

Freshman Year

First Semester	Hours	Hours	
Second Semester		Hours	
CNT 1414 Fund. of Data Comm.....	4	CNT 1524 Network Components.....	4
CPT 1144 Web and Program Concepts.....	4	ENG 1123 English Comp. II.....	3
CNT 2424 System Maintenance.....	4	CPT 1333 Operating Platforms.....	3
ENG 1113 English Comp. I.....	3	Network Operating System Elective****.....	4
Programming Language Elective **.....	4	WDT 1414 Web Design App.....	4
LLS 1312 Orientation.....	2		18
	21		

Sophomore Year

First Semester	Hours	Hours	Second
Semester			
CNT 2534 Network Plan. & Design.....	4	CNT 2544 Network Implementation.....	4

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CPT 2132 Career Development.....	2	Social/Behavioral Science Elective***.....	3
MAT 1313 College Algebra*.....	3	SPT 1113 Speech.....	3
Network Operating System Elective****.....	4	Network Operating System Elective****.....	4

CNT 2554 Network Security.....	$\frac{4}{17}$	Network Operating System Elective****	$\frac{4}{18}$
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It should be noted that all sophomore year and many freshmen classes in CNT are only taught once per year and in the semester noted above.

Baseline Competencies for Computer Networking Technology

- **Survey of Microcomputer Applications (CPT 1323)**

Baseline competencies are taken from the secondary computer programming technology program. Students who can document mastery of these competencies should not receive duplicate instruction. Students who cannot demonstrate mastery will be required to do so.

*Intermediate Algebra (MAT 1233) and a lab science may be substituted for College Algebra (MAT 1313).

****Programming Language Electives**

- CPT 1224 RPG Programming Language
- CPT 1414 Java Programming Language
- CPT 2244 Database Programming
- CPT 2284 C Programming Language
- CPT 2424 Advanced C Programming Language
- CPT 2434 Advanced Visual BASIC Programming Language
- CPT 2444 Script Programming
- WDT 1314 Client-side Programming
- WDT 2324 XML Programming
- WDT 2214 Server-side Programming I
- WDT 2224 Server-side Programming II

*****Social/Behavioral Science Electives**

- HIS 1113 – Western Civilization I
- HIS 1123 – Western Civilization II
- HIS 2213 – American History I
- HIS 2223 – American History II
- PSY 1513 – General Psychology
- PSC 1113 – American National Government –

****** Network Operating Systems Elective**

- CNT 1614 Network Administration Using Novell
- CNT 2634 Advanced Network Administration Using Novell
- CNT 1624 Network Administration Using Microsoft Windows Server
- CNT 2644 Advanced Network Administration Using Microsoft Windows Server
- CNT 2654 Advanced Network Administration Using Linux
- CNT 1634 Windows XP Installation and Configuration
- CNT 1654 Network Administration Using Linux